

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**1. (Currently Amended)** A copolymer having polyamide blocks and polyether blocks, in which:

- the polyether blocks essentially consist of PTMG having a number-average molar mass  $M_n$ , of ~~between~~ 200 to and 4000 g/mol;
- the polyamide blocks are formed from a linear (noncyclic, nonbranched) aliphatic predominantly semicrystalline monomer and from a sufficient amount of at least one comonomer to reduce their crystallinity, while remaining immiscible with the polyether amorphous blocks; and
- the shore D hardness is ~~between~~ 20 to and 70.

**2. (Currently Amended)** The copolymer as claimed in claim 1, in which the predominantly semicrystalline monomer is ~~chosen from~~ 11-aminoundecanoic acid or and lauryllactam.

**3. (Original)** The copolymer as claimed in claim 1, in which the predominantly semicrystalline monomer is a diamine associated with a diacid, both these being aliphatic and linear.

**4. (Currently Amended)** The copolymer as claimed in claim 3, in which the aliphatic diamine has ~~from~~ 6 to 12 carbon atoms and the aliphatic diacid has ~~from~~ 9 to 12 carbon atoms.

**5. (Currently Amended)** The copolymer as claimed in claim 1, in which the comonomer introduced in order to reduce the crystallinity is a lactam, an alpha, omega-

aminocarboxylic acid or a cyclic diamine associated with a diacid,<sup>5</sup>

6. **(Previously Presented)** The copolymer as claimed in claim 1, in which the polyamide blocks are formed from lactam 12 (predominantly crystalline) and IPD 10 (isophorone diamine and sebacic acid).

7. **(Previously Presented)** The copolymer as claimed in claim 1, in which the polyamide blocks are formed from lactam 12 (predominantly crystalline) and from PACM 12 (PACM 20 and C<sub>12</sub> diacid).

8. **(Previously Presented)** The copolymer as claimed in claim 1, in which the polyamide blocks are formed from lactam 12 (predominantly crystalline) and either lactam 6 or 11-amino-undecanoic acid or lactam 6 and 11-amino-undecanoic acid.

9. **(Currently Amended)** The copolymer as claimed in claim 1, in which the crystalline monomer represents at least 55%, ~~and preferably at least 70%~~, by weight of the constituents of the polyamide blocks.

10. **(Currently Amended)** The copolymer as claimed in claim 1, in which the amount of polyether blocks is ~~from~~ 10 to 40% by weight of the copolymer.

11. **(Currently Amended)** The copolymer as claimed in claim 1, in which the mass M<sub>n</sub>, of the polyether blocks is ~~advantageously between 300 to and 1100~~.

12. **(Currently Amended)** The copolymer as claimed in claim 1, in which the Shore D hardness is ~~between 40 to and 70~~.

13. **(Previously Presented)** An article manufactured with the copolymers as claimed in claim 1.

**14. (New)** The copolymer as claimed in claim 1, in which the crystalline monomer represents at least 70% by weight of the constituents of the polyamide blocks.